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19188996
(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 September 2001 (27.09.2001)

PCT

(10) International Publication Number
WO 01/70822 A3

(51) International Patent Classification⁷: C08F 8/32.
C08G 81/02

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(21) International Application Number: PCT/US01/09313

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(22) International Filing Date: 23 March 2001 (23.03.2001)

(81) Designated States (national): JP. US.

(25) Filing Language: English

(84) Designated States (regional): European patent (AT. BE.
CH. CY. DE. DK. ES. FI. FR. GB. GR. IE. IT. LU. MC.
NL. PT. SE. TR).

(26) Publication Language: English

Published:

— with international search report

(30) Priority Data: 09/532,499 23 March 2000 (23.03.2000) US

(88) Date of publication of the international search report:
24 January 2002

(63) Related by continuation (CON) or continuation-in-part
(CIP) to earlier application:

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

US 09/532,499 (CIP)
Filed on 23 March 2000 (23.03.2000)

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A3
WO 01/70822 A3

(54) Title: PROCESS FOR FORMING CENTIPEDE POLYMER GELS

(57) Abstract: A process that enables the formation of a high damping, soft polymer gel includes reacting a maleimide copolymer with a maleated polyalkylene and an alkyl diamine under substantially dry conditions sufficient to form a polyalkylene-grafted maleimide copolymer product which then is dispersed with an extender sufficient to form the gel. The steps can be carried out sequentially in a high shear mixer with-out the need for intermediate steps of cooling and grinding the reaction product of one step before proceeding to the next.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/09313

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C08F8/32 C08G81/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C08F C08G C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, WPI Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 905 116 A (X. WANG) 18 May 1999 (1999-05-18) column 3, line 6 - line 22 column 3, line 26 - line 61 column 5, line 54 -column 6, line 5 column 6, line 45 -column 7, line 3 column 7, line 16 - line 38 column 8, line 21 - line 55 column 9, line 27 -column 10, line 13 column 11, line 5 -column 13, line 15; claims 1-23 --- -/--	1-13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

12 October 2001

26/10/2001

Name and mailing address of the ISA
 European Patent Office, P.B. 5818 Patentlaan 2
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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/09313

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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PCT/US 01/09313

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